



# Advisory Circular

**Subject:** ANNOUNCEMENT OF AVAILABILITY:  
A SERIES OF AERONAUTICAL  
DECISION MAKING TRAINING MANUALS

**Date:** 7/20/90  
**Initiated by:** AFS-830

**AC No:** 60-21  
**Change:**

**1. PURPOSE.** This advisory circular (AC) informs all Federal Aviation Administration (FAA) certificated pilots, flight instructors, designated pilot examiners, aviation medical examiners, air traffic controllers, and other interested persons of the availability of aeronautical decision making (ADM) training manuals.

**2. RELATED FEDERAL AVIATION REGULATIONS (FAR) PARTS.** The material contained in this AC is applicable to student, private, instrument, commercial, airline transport pilots, and flight instructors operating under FAR Parts 61, 91, 121, 125, 133, 135, 137, and 141, as appropriate. Emphasis is placed on FAR § 91.5, Preflight action, and FAR § 61.53, Operations during medical deficiency.

**3. BACKGROUND.**

a. *The FAA has become* increasingly involved in the ADM process. Data sources which are available to the FAA suggest that most aircraft mishaps are due to decision making or judgment errors. Training programs using prototype versions of ADM materials have demonstrated reductions in pilot judgment error rates. The results of these training programs were statistically significant and ranged from about 10 percent to 50 percent fewer errors when compared to pilot training in which ADM elements were not included.

b. *The training manuals* identified in this AC are designed to explain the risks associated with aviation activities. Underlying behavioral causes of typical accidents and the effects of stress on ADM are emphasized. They provide a means for an individual to develop an "Attitude Profile" through a self-assessment inventory and provide detailed explanations of preflight and in-flight stress management techniques. The assumption is that persons exposed to these behavioral techniques will develop a positive attitude toward safety and

learn ways to manage stress while recognizing and avoiding unnecessary risk.

c. ***Each training manual*** listed herein can be used by manufacturers, certificated flight instructors, pilot schools, aviation publishers, air ambulance operators, air carriers, and others to develop training material for the enhancement of effective ADM techniques.

d. ***Published Documents.*** (Price of individual documents is subject to change without notice.)

<u>Report Number</u>	<u>Title</u>
DOT/FAA/PM-86/41	Aeronautical Decision Making for Student and Private Pilots. NTIS identification number ADA182549, price \$23.00.
DOT/FAA/PM-86/42	Aeronautical Decision Making for Commercial Pilots. NTIS identification number ADA198772, price \$17.00.
DOT/FAA/PM-86/43	Aeronautical Decision Making for Instrument Pilots. NTIS identification number N8724880, price \$17.00.
DOT/FAA/PM-86/44	Aeronautical Decision Making for Instructor Pilots (how to teach ADM). NTIS identification number ADA182611, price \$17.00.
DOT/FAA/PM-86/45	Aeronautical Decision Making for Helicopter

	Pilots. NTIS identification number <b>ADA180325</b> , price <b>\$23.00</b> .	<b>DOT/FAA/DS-</b>	Ambulance Administrators Controller Decision Making Applications
<b>DOT/FAA/PM-86/46</b>	Aeronautical Decision Making-Cockpit Resource Management. NTIS identification number <b>ADA2051 15</b> , price <b>\$23.00</b> .	<b>DOT/FAA/DS-</b>	Aeronautical Decision Making Techniques for the Practical Plight Test
<b>DOT/FAA/DS-88/5</b>	Aeronautical Decision Making for Air Ambulance Helicopter Pilots: Learning from Past Mistakes. NTIS identification number <b>N8911723</b> , price <b>\$15.00</b> .	<b>DOT/FAA/DS-</b>	Introduction to Aeronautical Decision Making -- Back to Basics (briefing)
<b>DOT/FAA/DS-88/6</b>	Aeronautical Decision Making for Air Ambulance Helicopter Pilots, Situational Awareness Exercises. NTIS identification number <b>ADA200274</b> , price <b>\$15.00</b> .		
<b>DOT/FAA/DS-88/7</b>	Risk Management for Air Ambulance Helicopter Operators. NTIS identification number <b>ADA212662</b> , price <b>\$17.00</b> .		

e. *The National Technical Information Service (NTIS)* intends to make available the following additional ADM documents. Dates for their publication have not been established.

<u>Report Number</u>	<u>Title</u>
<b>DOT/FAA/DS-88/8</b>	Aeronautical Decision Making for Air

**f. *The FAA is preparing to publish*** a separate ADM AC for distribution in late 1990. The current edition of AC 00-2, Advisory Circular Checklist (and Status of Other FAA Publications), should be consulted for the issuance of that AC. The AC checklist is obtainable free of charge, but no longer sent automatically to addressees on free AC mailing lists. Persons who wish to receive it must specifically request to be placed on the AC 00-2 mailing list. Send your order to:

U.S. Department of Transportation  
Distribution Requirements Section,  
M-494.1  
Washington, D.C. 20590

#### 4. HOW TO ORDER.

a. *Any of the series* of ADM training manuals may be obtained by writing or calling:

Mailing Address: National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22161

Telephone: (703) 487-4650 (orders)  
(800) 336-4700 (rush orders only)  
(703) 487-4780 (title identification branch)

b. Hours ***of Operation.*** ***The sales*** desk is open **from 8:30** a.m. to **5:30** p.m. eastern time Monday through Friday. After **hours**, service is available via recorded message service if you have the correct ordering **information**. The document

title identification branch is open **from 9:00** a.m. to **5:00** p.m. eastern time Monday through Friday. NTIS charges a nominal shipping and handling fee for each order.



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